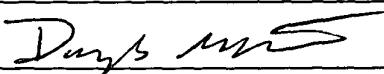


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<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional) ARC920000096US2
I hereby declare that: The residence, mailing address and citizenship of the inventors are stated below. I am authorized to act on behalf of the following assignee: <u>Hitachi Global Storage Technologies Netherlands B.V.</u> and the title of my position with said assignee is: <u>Counsel, Intellectual Property Law</u> The entire title to the patent identified below is vested in said assignee.		
Inventor Eric Edward Fullerton	Citizenship USA	
Residence/Mailing Address 17212 Quail Court, Morgan Hill, CA 95037 USA		
Inventor Bruce David Terris	Citizenship USA	
Residence/Mailing Address 1241 Nellis Court, Sunnyvale, CA 94087 USA		
<input checked="" type="checkbox"/> Additional Inventors are named on separately numbered sheets attached hereto.		
Patent Number 6,391,430	Date of Patent Issued 05/21/2002	
Title of Invention Patterned magnetic recording media with discrete magnetic regions separated by regions of antiferromagnetically coupled films		
I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled: Patterned magnetic recording media with discrete magnetic regions separated by regions of antiferromagnetically coupled films		
the specification of which <input checked="" type="checkbox"/> is attached hereto. <input type="checkbox"/> was filed on _____ as reissue application number ____ / _____ and was amended on _____ (If applicable)		
I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.		
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.		
I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.) <input type="checkbox"/> by reason of a defective specification or drawing. <input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent. <input type="checkbox"/> by reason of other errors.		

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<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (Optional) ARC920000096US2							
<p>At least one error upon which reissue is based is described as follows:</p> <p>The reason for the claim corrections is that the applicant claimed more than entitled to claim in independent claims 1 and 10 as originally issued. This correction narrows these claims. This error was made without any deceptive intent and correction is sought by this reissue application.</p> <p>Claims 6, 7, 13 and 14 are being amended to independent form to include the limitations of their respective original independent claims. New dependent claims 15 and 16 are added and are supported by the specification of the original patent.</p> <p style="text-align: center;">[Attach additional sheets, if needed.]</p> <p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.</p>									
<p>I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">Name(s)</td> <td style="width: 50%;">Registration Number</td> </tr> <tr> <td>Thomas R. Berthold (#28,689); Douglas R. Millett (#31,784); Robert B. Martin (#26,9450); Ronald B. Feece (#46,327);</td> <td></td> </tr> <tr> <td>Lewis L. Nunnelley (#42,942); Patrick W. Duncan (#41,721)</td> <td></td> </tr> </table>				Name(s)	Registration Number	Thomas R. Berthold (#28,689); Douglas R. Millett (#31,784); Robert B. Martin (#26,9450); Ronald B. Feece (#46,327);		Lewis L. Nunnelley (#42,942); Patrick W. Duncan (#41,721)	
Name(s)	Registration Number								
Thomas R. Berthold (#28,689); Douglas R. Millett (#31,784); Robert B. Martin (#26,9450); Ronald B. Feece (#46,327);									
Lewis L. Nunnelley (#42,942); Patrick W. Duncan (#41,721)									
<p>Correspondence Address: Direct all communications about the application to:</p> <div style="display: flex; align-items: center;"> <input type="checkbox"/> Customer Number <div style="border: 1px solid black; width: 150px; height: 30px; margin: 0 10px;"></div> <div style="margin-left: 10px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 150px;"> Place Customer Number Bar Code Label Here </div> </div> <p style="text-align: center;"><b>OR</b></p> <p style="text-align: center;">Type Customer Number Here</p>									
<input checked="" type="checkbox"/> Firm or Individual Name	Thomas R. Berthold								
Address	Hitachi Global Storage Technologies								
Address	5600 Cottle Road (NHGB/014-2)								
City	San Jose	State	CA Zip 95193						
Country	USA								
Telephone	408-256-3926	Fax	408-256-2179						
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.</p>									
Full name of person signing (given name, family name) Douglas R. Millett									
Signature 		Date 7/29/2003							
Address of Assignee Hitachi Global Storage Technologies 5600 Cottle Road (NHGB/014-2) San Jose, CA 95193									

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**DECLARATION by ASSIGNEE****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 3 of 3

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b> Dieter Klaus		<b>Family Name or Surname</b> Weller	
<b>Residence: City</b> San Jose		<b>State</b> CA	<b>Country</b> USA
		<b>Citizenship</b> Germany	
<b>Mailing Address</b> 7080 Broodtree Way			
<b>Mailing Address</b>			
<b>City</b> Sunnyvale	<b>State</b> CA	<b>ZIP</b> 95120	<b>Country</b> USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b>		<b>Family Name or Surname</b>	
<b>Inventor's Signature</b>			<b>Date</b>
<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
<b>City</b>	<b>State</b>	<b>ZIP</b>	<b>Country</b>
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b>		<b>Family Name or Surname</b>	
<b>Inventor's Signature</b>			<b>Date</b>
<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
<b>City</b>	<b>State</b>	<b>ZIP</b>	<b>Country</b>

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) <b>ARC920000096US2</b>
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) <b>Eric E. Fullerton et al.</b>		
Patent Number <b>6,391,430</b>	Date Patent Issued <b>05/21/2002</b>	
Title of Invention <b>Patterned magnetic recording media with discrete magnetic regions separated by regions of antiferromagnetically coupled films</b>		
<p>1. <input checked="" type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
<p>The assignee(s) owning an undivided interest in said original patent is/are <u>Hitachi Global Storage Technologies Netherlands B.V.</u>, and the assignee(s) consents to the accompanying application for reissue.</p>		
Name of assignee/inventor (if not assigned) <b>Hitachi Global Storage Technologies Netherlands B.V.</b>		
Signature 	Date <b>7/29/2003</b>	
Typed or printed name and title of person signing for assignee (if assigned)  <b>Douglas R. Millett</b> <b>Counsel, Intellectual Property Law</b>		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Hitachi Global Storage Technologies Netherlands B.V.Application No./Patent No.: 6,391,430 Filed/Issue Date: 05/21/2002Entitled: Patterned magnetic recording media with discrete magnetic regions separated by regions of antiferromagnetically coupled filmsHitachi Global Storage Technologies Netherlands B.V., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: the inventors To: International Business Machines CorporationThe document was recorded in the United States Patent and Trademark Office at  
Reel 010902, Frame 0244, or for which a copy thereof is attached.2. From: International Business Machines Corporation To: Hitachi Global Storage Technologies Netherlands B.V.The document was recorded in the United States Patent and Trademark Office at  
Reel 013578, Frame 0908, or for which a copy thereof is attached.3. From: (Change of name only) To: \_\_\_\_\_The document was recorded in the United States Patent and Trademark Office at  
Reel 013589, Frame 0030, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

7/29/2003

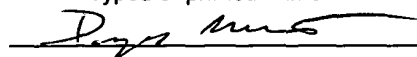
Date

408-256-2128

Telephone number

Douglas R. Millett

Typed or printed name



Signature

Counsel, Intellectual Property Law

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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